

Converting Colors

$Y_{xy}(100.0000, 0.3272, 0.3917)$

Have a look what the booklet for
Yxy(100.0000, 0.3272, 0.3917)
contains.

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Color

Yxy(93.2033, 0.3285, 0.3814)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E9FFCC |
| RGB | 233, 255, 204 |
| RGB Percent | 91%, 100%, 80% |
| CMY | 0.0861, 0.0000, 0.2000 |
| CMYK | 0.09, 0.00, 0.20, 0.00 |
| HSL | 86°, 100%, 90% |
| HSV | 86°, 20%, 100% |
| XYZ | 80.2760, 93.2033, 70.8922 |
| YIQ | 242.6080, 3.2590, -20.5250 |

Conversions

Conversions Part 2

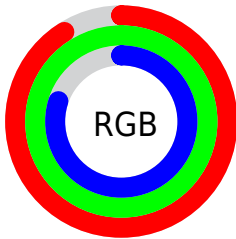
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 204, 255, 226 |
| Decimal | 15335372 |
| CIE Lab | 97.31, -15.78, 22.02 |
| CIE LCh | 97, 27.087, 125.625 |
| Yxy | 93.2033, 0.3285, 0.3814 |
| Android (android.graphics.Color) | 4293525452 (0xFFE9FFCC) |
| YUV | 242.6080, -19.0337, -8.4262 |
| Hunter-Lab | 96.5419, -20.5227, 24.0417 |

Details

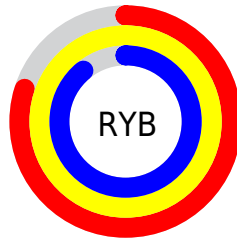
The Yxy color **93.2033, 0.3285, 0.3814** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.5727, 0.2942, 0.2759**, and the grayscale version is **89.4611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.9373, 0.3312, 0.3925** is the 20% darker color. If you saturate the color by 10%, you get **90.2914, 0.3360, 0.4100**, and if you desaturate by 10%, it is **96.4385, 0.3206, 0.3542**.

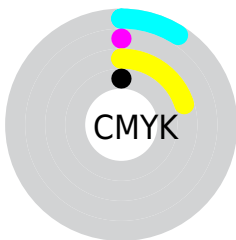
Distribution



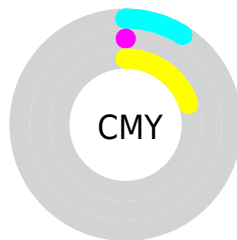
- Red (91%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (89%)



- Cyan (9%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.2033, 0.3285, 0.3814 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 93.2033, 0.3285, 0.3814 by changing the saturation by 10% instead.


 93.2033, 0.3285,
0.3814

 93.2033, 0.3285,
0.3814

538.3969, 0.3219,
0.3576

 70.6405, 0.3299,
0.3867


151.7800, 0.3263,
0.3732

 52.0489, 0.3315,
0.3932


188.5628, 0.3254,
0.3700

 37.0440, 0.3334,
0.4014


230.8543, 0.3247,
0.3673

 25.2416, 0.3357,
0.4118

279.0389, 0.3240,
0.3649

 16.2571, 0.3384,
0.4257

333.5011, 0.3234,
0.3627

 9.7063, 0.3418,
0.4451

394.6252, 0.3228,

 5.2047, 0.3455,

0.3608

0.4737

462.7957, 0.3223,
0.3591

■ 2.3678, 0.3525,
0.5259

■ 0.8093, 0.3218,
0.6782

■ 93.2033, 0.3285,
0.3814

■ 93.2033, 0.3285,
0.3814

■ 90.2914, 0.3360,
0.4100

■ 96.4385, 0.3206,
0.3542

■ 87.6789, 0.3428,
0.4394

99.9952, 0.3127,
0.3290

■ 85.3572, 0.3483,
0.4684

■ 83.3124, 0.3522,
0.4958

■ 81.5295, 0.3539,
0.5201

■ 79.9912, 0.3533,
0.5400

■ 78.6775, 0.3502,
0.5545

■ 77.5572, 0.3453,
0.5640

■ 77.5565, 0.3453,
0.5640

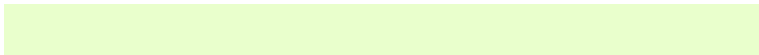
Harmonies

Analogous

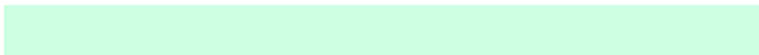
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.2033, 0.3552, 0.3799



93.2033, 0.3285, 0.3814



93.2033, 0.2985, 0.3668

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.2033, 0.3285, 0.3814



93.2033, 0.2576, 0.2905



93.2033, 0.3532, 0.3163

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



93.2033, 0.3285, 0.3814



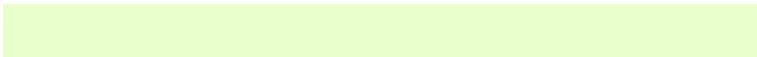
66.5727, 0.2942, 0.2759

Split Complementary

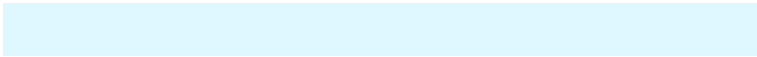
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.2033, 0.3252, 0.2951



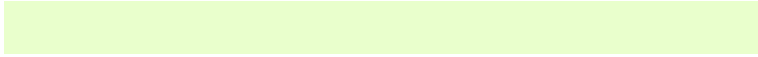
93.2033, 0.3285, 0.3814



93.2033, 0.2706, 0.2801

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



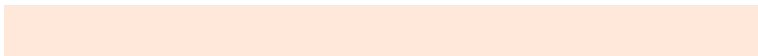
93.2033, 0.3285, 0.3814



93.2033, 0.2585, 0.3123



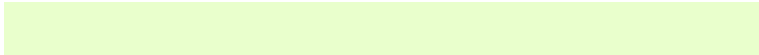
93.2033, 0.2949, 0.2820



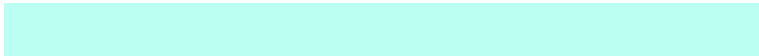
93.2033, 0.3702, 0.3412

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.2033, 0.3285, 0.3814



93.2033, 0.2806, 0.3501



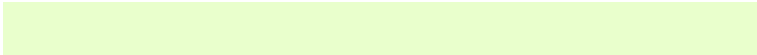
93.2033, 0.2949, 0.2820



93.2033, 0.3447, 0.3086

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



93.2074, 0.3285, 0.3814



97.8258, 0.3175, 0.3439



79.6067, 0.3485, 0.3506



20.8896, 0.3180, 0.3456



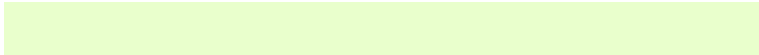
0.0000, 0.0000, 0.0000



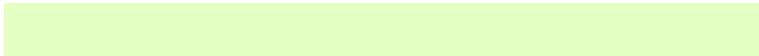
21.4041, 0.3127, 0.3290

Same Dimension

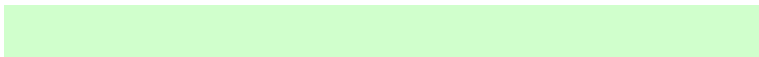
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.2074, 0.3285, 0.3814



92.0078, 0.3316, 0.3927



89.3232, 0.3127, 0.3840



20.6787, 0.3202, 0.3530



40.6175, 0.3464, 0.5632



4.0193, 0.3544, 0.5568

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



66.5727, 0.2942, 0.2759



60.9525, 0.2898, 0.2643



70.8729, 0.3120, 0.2787



17.7600, 0.3046, 0.3049



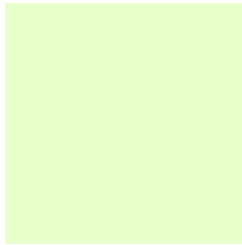
5.5808, 0.1893, 0.0817



0.6064, 0.2019, 0.0886

Previews

White Background



This preview shows how the Yxy color 93.2033, 0.3285, 0.3814 looks on a white background.

Color Contrast Check

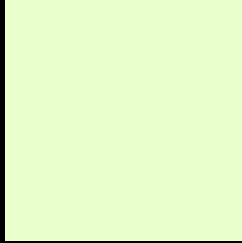
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 93.2033, 0.3285, 0.3814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

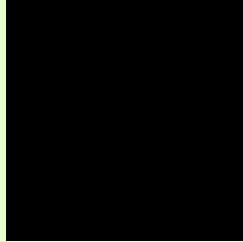
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

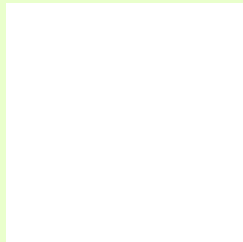
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.2033, 0.3285, 0.3814

Background



This preview shows how black text looks on a background with the Yxy color 93.2033, 0.3285, 0.3814.

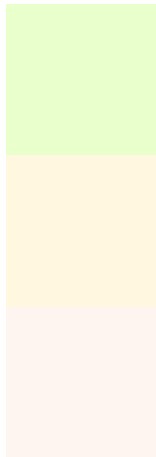


This preview shows how white text looks on a background with the Yxy color 93.2033, 0.3285, 0.3814.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

93.2033, 0.3285, 0.3814

Protanopia

93.1092, 0.3325, 0.3526

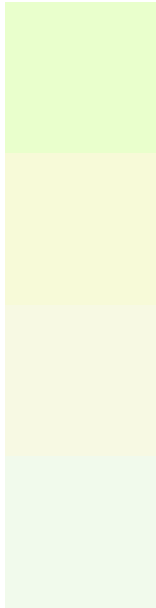
Deuteranopia

92.8561, 0.3222, 0.3339

Tritanopia

93.1540, 0.3068, 0.3212

Trichromacy



Original Color

93.2033, 0.3285, 0.3814

Protanomaly

93.1032, 0.3311, 0.3630

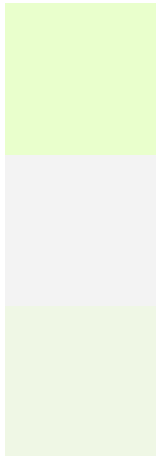
Deuteranomaly

93.0716, 0.3246, 0.3509

Tritanomaly

93.1281, 0.3152, 0.3429

Monochromacy



Original Color

93.2033, 0.3285, 0.3814

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

90.5294, 0.3183, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.2033, 0.3285, 0.3814 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(233, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 204)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(233, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 93.2033, 0.3285, 0.3814 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(233, 255, 204) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(233, 255, 204) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(233, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 93.2033, 0.3285, 0.3814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 204) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(233,  
255, 204) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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